



FS-L70

Amplifier Unit

[Discontinued model]

This model has been discontinued.

Recommended Replaceable Products

- Multi-Purpose Digital Laser Sensor
LV-N series

To contact us:

1-800-103-0090

SPECIFICATIONS

Model		FS-L70
Product name		—
Cable length		—
Allowable bending radius		—
Sensitivity adjustment		8-turn trimmer
Detecting distance (standard detection object)		—
Spot diameter		—
Minimum detectable object		—
Response time		250 μ s
Hysteresis		—
Operation mode		LIGHT-ON/DARK-ON (switch-selectable)
Indicator lamp		Output: red LED, stable operation and laser light generation: green LED
Timer function		On delay, off delay, timer off (switchable by way of a switch; trimmer variable between 40 ms and 5 s)
External tuning input signal		—
Output		—
Control output		NPN open-collector 100 mA max. (24 VDC max.), Residual voltage: 1 V max.
Stability output		—
Protection circuit		Reversed polarity protection, Overcurrent protection, Surge absorber
Laser emission stop input		No-voltage input, light generation is stopped during input
Rating	Power voltage	12 to 24 VDC $\pm$ 10 %, Ripple (P-P) 10 % or less
	Current consumption	50 mA or less
Environmental resistance	Ambient light	Incandescent lamp: 10,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	0 to +40 °C
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z directions
	Shock resistance	500 m/s ² , 3 times in each of the X, Y, and Z directions
Material		Polycarbonate
Weight		Approx. 130 g

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

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